## Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

## **Listing of Claims**

- 1. (Currently Amended) A power supply for an implantable cardioverter-defibrillator for subcutaneous positioning between the third rib and the twelfth rib and using a lead system that does not directly contact a patient's heart or reside in the intrathoracic blood vessels and for providing anti-bradycardia pacing energy to the heart, the power supply comprising:
- a capacitor subsystem for storing the anti-bradycardia pacing energy for delivery to the patient's heart; and
- a battery subsystem electrically coupled to the capacitor subsystem for providing the antibradycardia pacing energy to the capacitor subsystem,

wherein the anti-bradycardia pacing energy comprises a monophasic waveform having a peak voltage that is between approximately 25 volts and [[to]] approximately 50 volts.

- 2. (Currently Amended) The power supply of claim 7, wherein the anti-bradycardia pacing energy comprises a monophasic waveform having a peak voltage that is between approximately 1 volts and [[to]] approximately 100 volts.
- 3. (Currently Amended) The power supply of claim 2, wherein the anti-bradycardia pacing energy comprises a monophasic waveform having a peak voltage that is <u>between</u> approximately .1 volts <u>and</u> [[to]] approximately 25 volts.
- 4. (Currently Amended) The power supply of claim 7, wherein the anti-bradycardia pacing energy comprises a monophasic waveform having a peak voltage that is <u>between</u> approximately 25 volts <u>and</u> [[to]] approximately 50 volts.
- 5. (Currently Amended) A power supply for an implantable cardioverter-defibrillator for subcutaneous positioning between the third rib and the twelfth rib and using a lead system that

does not directly contact a patient's heart or reside in the intrathoracic blood vessels and for providing anti-bradycardia pacing energy to the heart, the power supply comprising:

a capacitor subsystem for storing the anti-bradycardia pacing energy for delivery to the patient's heart; and

a battery subsystem electrically coupled to the capacitor subsystem for providing the antibradycardia pacing energy to the capacitor subsystem,

wherein the anti-bradycardia pacing energy comprises a monophasic waveform having a peak voltage that is between approximately 50 volts and [[to]] approximately 75 volts.

6. (Currently Amended) A power supply for an implantable cardioverter-defibrillator for subcutaneous positioning between the third rib and the twelfth rib and using a lead system that does not directly contact a patient's heart or reside in the intrathoracic blood vessels and for providing anti-bradycardia pacing energy to the heart, the power supply comprising:

a capacitor subsystem for storing the anti-bradycardia pacing energy for delivery to the patient's heart; and

a battery subsystem electrically coupled to the capacitor subsystem for providing the antibradycardia pacing energy to the capacitor subsystem,

wherein the anti-bradycardia pacing energy comprises a monophasic waveform having a peak voltage that is <u>between</u> approximately 75 volts <u>and</u> [[to]] approximately 100 volts.

- 7. (Currently Amended) A power supply for an implantable cardioverter-defibrillator for subcutaneous positioning between the third rib and the twelfth rib and using a lead system that does not directly contact a patient's heart or reside in the intrathoracic blood vessels and for providing anti-bradycardia pacing energy to the heart, the power supply comprising:
- a capacitor subsystem for storing the anti-bradycardia pacing energy for delivery to the patient's heart; and
- a battery subsystem electrically coupled to the capacitor subsystem for providing the antibradycardia pacing energy to the capacitor subsystem;

wherein the anti-bradycardia pacing energy comprises a monophasic waveform having a pulse width that is between 1 millisecond and [[to]] approximately 40 milliseconds.

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8. (Currently Amended) The power supply of claim 7, wherein the anti-bradycardia pacing energy comprises a monophasic waveform having a pulse width that is between 1 millisecond and [[to]] approximately 10 milliseconds.

9. (Currently Amended) The power supply of claim 7, wherein the anti-bradycardia pacing energy comprises a monophasic waveform having a pulse width that is between approximately 10 milliseconds and [[to]] approximately 20 milliseconds.

10. (Currently Amended) The power supply of claim 7, wherein the anti-bradycardia pacing energy comprises a monophasic waveform having a pulse width that is between approximately 20 milliseconds and [[to]] approximately 30 milliseconds.

11. (Currently Amended) The power supply of claim 7, wherein the anti-bradycardia pacing energy comprises a monophasic waveform having a pulse width that is between approximately 30 milliseconds and [[to]] approximately 40 milliseconds.

12. (Original) The power supply of claim 1, wherein the anti-bradycardia pacing energy comprises a monophasic waveform further comprising a voltage waveform that is either positive or negative in polarity.

- 13. (Currently Amended) The power supply of claim 12, wherein the monophasic waveform further comprises includes a tilt of between approximately 5% and [[to]] approximately 95%.
  - 14. (Original) The power supply of claim 13, wherein the tilt is approximately 50%.
- 15. (Currently Amended) The power supply of claim 1, wherein the anti-bradycardia pacing energy comprises a monophasic waveform that is provided at a rate of between approximately 20 and [[to]] approximately 120 stimuli/minute.

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16. (Original) The power supply of claim 15, wherein the monophasic waveform is provided after a patient's heart rate is equal or less than approximately 20 beats/minute.

17. (Currently Amended) A voltage output system for an implantable cardioverterdefibrillator for subcutaneous positioning between the third rib and the twelfth rib and using a lead system that does not directly contact a patient's heart or reside in the intrathoracic blood vessels and for providing anti-bradycardia pacing energy to the heart, the power supply comprising:

an energy storage system for storing the anti-bradycardia pacing energy for delivery to the patient's heart; and

an energy source system electrically coupled to the capacitor subsystem for providing the anti-bradycardia pacing energy to the capacitor subsystem;

wherein the anti-bradycardia pacing energy comprises a monophasic waveform having a peak voltage that is between approximately 25 volts and [[to]] approximately 50 volts.

- 18. (Currently Amended) The voltage output system of claim 23, wherein the antibradycardia pacing energy comprises a monophasic waveform having a peak voltage that is between approximately .1 volts and [[to]] approximately 100 volts.
- 19. (Currently Amended) The voltage output system of claim 18, wherein the antibradycardia pacing energy comprises a monophasic waveform having a peak voltage that is between approximately .1 volts and [[to]] approximately 25 volts.
- 20. (Currently Amended) The voltage output system of claim 23, wherein the antibradycardia pacing energy comprises a monophasic waveform having a peak voltage that is between approximately 25 volts and [[to]] approximately 50 volts.
- 21. (Currently Amended) A voltage output system for an implantable cardioverterdefibrillator for subcutaneous positioning between the third rib and the twelfth rib and using a

lead system that does not directly contact a patient's heart or reside in the intrathoracic blood vessels and for providing anti-bradycardia pacing energy to the heart, the power supply comprising:

an energy storage system for storing the anti-bradycardia pacing energy for delivery to the patient's heart; and

an energy source system electrically coupled to the capacitor subsystem for providing the anti-bradycardia pacing energy to the capacitor subsystem;

wherein the anti-bradycardia pacing energy comprises a monophasic waveform having a peak voltage that is <u>between</u> approximately 50 volts <u>and</u> [[to]] approximately 75 volts.

22. (Currently Amended) A voltage output system for an implantable cardioverter-defibrillator for subcutaneous positioning between the third rib and the twelfth rib and using a lead system that does not directly contact a patient's heart or reside in the intrathoracic blood vessels and for providing anti-bradycardia pacing energy to the heart, the power supply comprising:

an energy storage system for storing the anti-bradycardia pacing energy for delivery to the patient's heart; and

an energy source system electrically coupled to the capacitor subsystem for providing the anti-bradycardia pacing energy to the capacitor subsystem;

wherein the anti-bradycardia pacing energy comprises a monophasic waveform having a peak voltage that is between approximately 75 volts and [[to]] approximately 100 volts.

23. (Currently Amended) A voltage output system for an implantable cardioverterdefibrillator for subcutaneous positioning between the third rib and the twelfth rib and using a lead system that does not directly contact a patient's heart or reside in the intrathoracic blood vessels and for providing anti-bradycardia pacing energy to the heart, the power supply comprising:

an energy storage system for storing the anti-bradycardia pacing energy for delivery to the patient's heart; and

an energy source system electrically coupled to the capacitor subsystem for providing the anti-bradycardia pacing energy to the capacitor subsystem;

wherein the anti-bradycardia pacing energy comprises a monophasic waveform having a pulse width that is between 1 millisecond and [[to]] approximately 40 milliseconds.

- 24. (Currently Amended) The voltage output system of claim 23, wherein the anti-bradycardia pacing energy comprises a monophasic waveform having a pulse width that is between 1 millisecond and [[to]] approximately 10 milliseconds.
- 25. (Currently Amended) The voltage output system of claim 23, wherein the anti-bradycardia pacing energy comprises a monophasic waveform having a pulse width that is between approximately 10 milliseconds and [[to]] approximately 20 milliseconds.
- 26. (Currently Amended) The voltage output system of claim 23, wherein the anti-bradycardia pacing energy comprises a monophasic waveform having a pulse width that is between approximately 20 milliseconds and [[to]] approximately 30 milliseconds.
- 27. (Currently Amended) The voltage output system of claim 23, wherein the antibradycardia pacing energy comprises a monophasic waveform having a pulse width that is between approximately 30 milliseconds and [[to]] approximately 40 milliseconds.
- 28. (Original) The voltage output system of claim 17, wherein the anti-bradycardia pacing energy comprises a monophasic waveform that is either positive or negative in polarity.
- 29. (Currently Amended) The voltage output system of claim 28, wherein the positive voltage portion further comprises has a tilt of between approximately 5% and [[to]] approximately 95%.
- 30. (Original) The voltage output system of claim 29, wherein the tilt is approximately 50%.

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- 31. (Currently Amended) The voltage output system of claim 17, wherein the antibradycardia pacing energy comprises a monophasic waveform that is provided at a rate of between approximately 20 and [[to]] approximately 120 stimuli/minute.
- 32. (Original) The voltage output system of claim 31, wherein the monophasic waveform is provided after a patient's heart rate is equal or less than approximately 20 beats/minute.
- 33. (Currently Amended) An implantable cardioverter-defibrillator for subcutaneous positioning between the third rib and the twelfth rib within a patient, the implantable cardioverter-defibrillator comprising:
  - a housing having an electrically conductive surface on an outer surface of the housing;
- a lead assembly electrically coupled to the housing and having an electrode, wherein the lead assembly does not directly contact the patient's heart or reside in the intrathoracic blood vessels;
- a capacitor subsystem located within the housing and electrically coupled to the electrically conductive surface and the electrode for storing anti-bradycardia pacing energy and for delivering the anti-bradycardia pacing energy to the patient's heart through the electrically conductive surface and the electrode; and
- a battery subsystem electrically coupled to the capacitor subsystem for providing the antibradycardia pacing energy to the capacitor subsystem;
- wherein the anti-bradycardia pacing energy comprises a monophasic waveform having a peak voltage that is between approximately 25 volts and [[to]] approximately 50 volts.
- 34. (Currently Amended) The implantable cardioverter-defibrillator of claim 39, wherein the anti-bradycardia pacing energy comprises a monophasic waveform having a peak voltage that is between approximately 1 volts and [[to]] approximately 100 volts.

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- 35. (Currently Amended) The implantable cardioverter-defibrillator of claim 34, wherein the anti-bradycardia pacing energy comprises a monophasic waveform having a peak voltage that is between approximately .1 volts and [[to]] approximately 25 volts.
- 36. (Currently Amended) The implantable cardioverter-defibrillator of claim 34, wherein the anti-bradycardia pacing energy comprises a monophasic waveform having a peak voltage that is between approximately 25 volts and [[to]] approximately 50 volts.
- 37. (Currently Amended) An implantable cardioverter-defibrillator for subcutaneous positioning between the third rib and the twelfth rib within a patient, the implantable cardioverter-defibrillator comprising:
  - a housing having an electrically conductive surface on an outer surface of the housing;
- a lead assembly electrically coupled to the housing and having an electrode, wherein the lead assembly does not directly contact the patient's heart or reside in the intrathoracic blood vessels:
- a capacitor subsystem located within the housing and electrically coupled to the electrically conductive surface and the electrode for storing anti-bradycardia pacing energy and for delivering the anti-bradycardia pacing energy to the patient's heart through the electrically conductive surface and the electrode; and
- a battery subsystem electrically coupled to the capacitor subsystem for providing the antibradycardia pacing energy to the capacitor subsystem;

wherein the anti-bradycardia pacing energy comprises a monophasic waveform having a peak voltage that is <u>between</u> approximately 50 volts <u>and</u> [[to]] approximately 75 volts.

- 38. (Currently Amended) An implantable cardioverter-defibrillator for subcutaneous positioning between the third rib and the twelfth rib within a patient, the implantable cardioverter-defibrillator comprising:
  - a housing having an electrically conductive surface on an outer surface of the housing;

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a lead assembly electrically coupled to the housing and having an electrode, wherein the lead assembly does not directly contact the patient's heart or reside in the intrathoracic blood vessels;

a capacitor subsystem located within the housing and electrically coupled to the electrically conductive surface and the electrode for storing anti-bradycardia pacing energy and for delivering the anti-bradycardia pacing energy to the patient's heart through the electrically conductive surface and the electrode; and

a battery subsystem electrically coupled to the capacitor subsystem for providing the antibradycardia pacing energy to the capacitor subsystem;

wherein the anti-bradycardia pacing energy comprises a monophasic waveform having a peak voltage that is <u>between</u> approximately 75 volts <u>and</u> [[to]] approximately 100 volts.

39. (Currently Amended) An implantable cardioverter-defibrillator for subcutaneous positioning between the third rib and the twelfth rib within a patient, the implantable cardioverter-defibrillator comprising:

a housing having an electrically conductive surface on an outer surface of the housing;

a lead assembly electrically coupled to the housing and having an electrode, wherein the lead assembly does not directly contact the patient's heart or reside in the intrathoracic blood vessels;

a capacitor subsystem located within the housing and electrically coupled to the electrically conductive surface and the electrode for storing anti-bradycardia pacing energy and for delivering the anti-bradycardia pacing energy to the patient's heart through the electrically conductive surface and the electrode; and

a battery subsystem electrically coupled to the capacitor subsystem for providing the antibradycardia pacing energy to the capacitor subsystem;

wherein the anti-bradycardia pacing energy comprises a monophasic waveform having a pulse width that is <u>between 1 millisecond and [[to]]</u> approximately 40 milliseconds.

- 40. (Currently Amended) The implantable cardioverter-defibrillator of claim 39, wherein the anti-bradycardia pacing energy comprises a monophasic waveform having a pulse width that is between approximately 1 millisecond and [[to]] approximately 10 milliseconds.
- 41. (Currently Amended) The implantable cardioverter-defibrillator of claim 39, wherein the anti-bradycardia pacing energy comprises a monophasic waveform having a pulse width that is between approximately 10 milliseconds and [[to]] approximately 20 milliseconds.
- 42. (Currently Amended) The implantable cardioverter-defibrillator of claim 39, wherein the anti-bradycardia pacing energy comprises a monophasic waveform having a pulse width that is between approximately 20 milliseconds and [[to]] approximately 30 milliseconds.
- 43. (Currently Amended) The implantable cardioverter-defibrillator of claim 39, wherein the anti-bradycardia pacing energy comprises a monophasic waveform having a pulse width that is between approximately 30 milliseconds and [[to]] approximately 40 milliseconds.
- 44. (Original) The implantable cardioverter-defibrillator of claim 33, wherein the antibradycardia pacing energy comprises a monophasic waveform that is either positive or negative in polarity
- 45. (Currently Amended) The implantable cardioverter-defibrillator of claim 44, wherein the positive voltage portion further comprises has a tilt that is between approximately 5% and [[to]] approximately 95%.
- 46. (Original) The implantable cardioverter-defibrillator of claim 45, wherein the tilt is approximately 50%.
- 47. (Currently Amended) The implantable cardioverter-defibrillator of claim 33, wherein the anti-bradycardia pacing energy comprises a monophasic waveform that is provided at a rate of between approximately 20 and [[to]] approximately 120 stimuli/minute.

- 48. (Original) The implantable cardioverter-defibrillator of claim 47, wherein the monophasic waveform is provided after a patient's heart rate is equal or less than approximately 20 heats/minute.
- 49. (Currently Amended) A method for supplying power for an implantable cardioverterdefibrillator for subcutaneous positioning between the third rib and the twelfth rib and using a lead system that does not directly contact a patient's heart or reside in the intrathoracic blood vessels and for providing anti-bradycardia pacing energy to the heart, the method comprising:

generating anti-bradycardia pacing energy;

storing the anti-bradycardia pacing energy; and

delivering the anti-bradycardia pacing energy to the patient's heart;

wherein the anti-bradycardia pacing energy comprises a monophasic waveform having a peak voltage that is between approximately 25 volts and [[to]] approximately 50 volts.

- 50. (Currently Amended) The method of claim 55, wherein the anti-bradycardia pacing energy comprises a monophasic waveform having a peak voltage that is <u>between</u> approximately .1 volts <u>and</u> [[to]] approximately 100 volts.
- 51. (Currently Amended) The method of claim 50, wherein the anti-bradycardia pacing energy comprises a monophasic waveform having a peak voltage that is <u>between</u> approximately .1 volts <u>and</u> [[to]] approximately 25 volts.
- 52. (Currently Amended) The method of claim 50, wherein the anti-bradycardia pacing energy comprises a monophasic waveform having a peak voltage that is <u>between</u> approximately 25 volts <u>and</u> [[to]] approximately 50 volts.
- 53. (Currently Amended) A method for supplying power for an implantable cardioverterdefibrillator for subcutaneous positioning between the third rib and the twelfth rib and using a

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lead system that does not directly contact a patient's heart or reside in the intrathoracic blood vessels and for providing anti-bradycardia pacing energy to the heart, the method comprising:

generating anti-bradycardia pacing energy;

storing the anti-bradycardia pacing energy; and

delivering the anti-bradycardia pacing energy to the patient's heart;

wherein the anti-bradycardia pacing energy comprises a monophasic waveform having a peak voltage that is between approximately 50 volts and [[to]] approximately 75 volts.

54. (Currently Amended) A method for supplying power for an implantable cardioverterdefibrillator for subcutaneous positioning between the third rib and the twelfth rib and using a lead system that does not directly contact a patient's heart or reside in the intrathoracic blood vessels and for providing anti-bradycardia pacing energy to the heart, the method comprising:

generating anti-bradycardia pacing energy;

storing the anti-bradycardia pacing energy; and

delivering the anti-bradycardia pacing energy to the patient's heart;

wherein the anti-bradycardia pacing energy comprises a monophasic waveform having a peak voltage that is between approximately 75 volts and [[to]] approximately 100 volts.

55. (Currently Amended) A method for supplying power for an implantable cardioverterdefibrillator for subcutaneous positioning between the third rib and the twelfth rib and using a lead system that does not directly contact a patient's heart or reside in the intrathoracic blood vessels and for providing anti-bradycardia pacing energy to the heart, the method comprising:

generating anti-bradycardia pacing energy;

storing the anti-bradycardia pacing energy; and

delivering the anti-bradycardia pacing energy to the patient's heart;

wherein the anti-bradycardia pacing energy comprises a monophasic waveform having a pulse width that is <u>between 1</u> millisecond <u>and [[to]]</u> approximately 40 milliseconds.

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56. (Currently Amended) The method of claim 55, wherein the anti-bradycardia pacing energy comprises a monophasic waveform having a pulse width that is <u>between</u> approximately 2 milliseconds and [[to]] approximately 10 milliseconds.

57. (Currently Amended) The method of claim 55, wherein the anti-bradycardia pacing energy comprises a monophasic waveform having a pulse width that is <u>between</u> approximately 10 milliseconds <u>and</u> [[to]] approximately 20 milliseconds.

58. (Currently Amended) The method of claim 55, wherein the anti-bradycardia pacing energy comprises a monophasic waveform having a pulse width that is <u>between</u> approximately 20 milliseconds <u>and</u> [[to]] approximately 30 milliseconds.

59. (Currently Amended) The method of claim 55, wherein the anti-bradycardia pacing energy comprises a monophasic waveform having a pulse width that is <u>between</u> approximately 30 milliseconds and [[to]] approximately 40 milliseconds.

60. (Original) The method of claim 49, wherein the anti-bradycardia pacing energy comprises a monophasic waveform that is either positive or negative in polarity.

- 61. (Currently Amended) The method of claim 60, wherein the positive voltage portion further comprises has a tilt of between approximately 5% and [[to]] approximately 95%.
  - 62. (Original) The method of claim 61, wherein the tilt is approximately 50%.
- 63. (Currently Amended) The method of claim 49, wherein the anti-bradycardia pacing energy comprises a monophasic waveform that is provided at a rate of <u>between</u> approximately 20 and [[to]] approximately 120 stimuli/minute.
- 64. (Original) The method of claim 63, wherein the monophasic waveform is provided after a patient's heart rate is equal or less than approximately 20 beats/minute.

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- 65. (Original) The method of claim 49, wherein the implantable cardioverter-defibrillator is positioned subcutaneously between the third and fifth ribs.
- 66. (Original) The method of claim 49, wherein the implantable cardioverter-defibrillator is positioned subcutaneously between the fourth and sixth ribs.
- 67. (Original) The method of claim 49, wherein the implantable cardioverter-defibrillator is positioned subcutaneously between the sixth and eighth ribs.
- 68. (Original) The method of claim 49, wherein the implantable cardioverter-defibrillator is positioned subcutaneously between the eighth and tenth ribs.
- 69. (Original) The method of claim 49, wherein the implantable cardioverter-defibrillator is positioned subcutaneously between the tenth and twelfth ribs.